	Channel No.	Center frequency (MHz)
212		216.7575
213		216.7625
214		216.7675
		216.772
216		216.777
217		216.782
218		216.787
219		216.792
220		216.797
		216.802
222		216.807
		216.812
224		216.817
225		216.822
		216.827
27		216.832
228		216.837
		216.842
		216.847
		216.852
232		216.857
		216.862
		216.867
		216.872
236		216.877
		216.882
238		216.887
		216.892
240		216.897
		216.902
		216.907
		216.912
244		216.917
		216.922
		216.927
		216.932
		216.937
		216.942
		216.947
		216.952
		216.957
253		216.962
254		216.967
		216.972
256		216.977
257		216.982
		216.987
		216.992
260		216.997

(2) LPRS transmitters operating on narrowband channels must be maintained within a frequency stability of 1.5 parts per million.

[61 FR 46567, Sept. 4, 1996]

EFFECTIVE DATE NOTE: At 61 FR 46567, Sept. 4, 1996, §95.629 was redesignated as §95.631 and new §95.629 was added, effective Oct. 4, 1996.

§ 95.631 Emission types.

(a) A GMRS transmitter must transmit only emission types A1D, F1D, G1D, H1D, J1D, R1D, A3E, F3E, G3E, H3E, J3E or R3E. A non-voice emission is limited to selective calling or tone-operated squelch tones to establish or

continue voice communications. See §95.181 (g) and (h).

- (b) An R/C transmitter may transmit any appropriate non-voice emission which meets the emission limitations of \$95.633.
- (c) A CB transmitter may transmit only emission types A1D, H1D, J1D, R1D, A3E, H3E, J3E, R3E. A non-voice emission is limited to selective calling or tone-operated squelch tones to establish or continue voice communications. See §95.412 (b) and (c).
- (d) An FRS unit may transmit only emission type F3E. A non-voice emission is limited to selective calling or tone-operated squelch tones to establish or continue voice communications.
- (e) No GMRS or CB transmitter shall employ a digital modulation or emission.
- (f) No GMRS, CB or R/C transmitter shall transmit non-voice data.
- (g) An LPRS station may transmit any emission type appropriate for communications in this service. Two-way voice communications, however, are prohibited.

[53 FR 36789, Sept. 22, 1988. Redesignated and amended at 61 FR 28769, June 6, 1996, and further redesignated and amended at 61 FR 46567, 46568, Sept. 4, 1996]

EFFECTIVE DATE NOTE: At 61 FR 46567, 46568, Sept. 4, 1996, §95.631 was redesignated as §95.633 and new §95.631 was redesignated from §95.629 and amended by adding paragraph (g), effective Oct. 4, 1996.

§95.633 Emission bandwidth.

- (a) The authorized bandwidth (maximum permissible bandwidth of a transmission) for emission type H1D, J1D, R1D, H3E, J3E or R3E is 4 kHz. The authorized bandwidth for emission type A1D or A3E is 8 kHz. The authorized bandwidth for emission type F1D, G1D, F3E or G3E is 20 kHz.
- (b) The authorized bandwidth for any emission type transmitted by an R/C transmitter is $8\ \mathrm{kHz}.$
- (c) The authorized bandwidth for emission type F3E transmitted by a FRS unit is 12.5 kHz.
 - (d) For transmitters in the LPRS:
- (1) The authorized bandwidth for narrowband frequencies is 4 kHz and the channel bandwidth is $5\ kHz$
- (2) The channel bandwidth for standard band frequencies is 25 kHz.

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- (3) The channel bandwidth for extra band frequencies is 50 kHz.
- (4) AMTS stations may use the 216.750-217.000 MHz band as a single 250 kHz channel so long as the signal is attenuated as specified in §95.635(c).

[53 FR 36789, Sept. 22, 1988. Redesignated and amended at 61 FR 28769, June 6, 1996, and further redesignated and amended at 61 FR 46567, 46568, Sept. 4, 1996]

EFFECTIVE DATE NOTE: At 61 FR 46567, 46568, Sept. 4, 1996, §95.633 was redesignated as §95.635 and new §95.633 was redesignated from §95.631 and amended by adding paragraph (d), effective Oct. 4, 1996.

§95.635 Unwanted radiation.

- (a) In addition to the procedures in part 2, the following requirements apply to each transmitter both with and without the connection of all attachments acceptable for use with the transmitter, such as an external speaker, microphone, power cord, antenna, etc.
- (b) The power of each unwanted emission shall be less than TP as specified in the applicable paragraph:

Transmitter	Emission type	Applicable paragraphs
GMRS	A1D, A3E, F1D, G1D, F3E, G3E with filtering	(5), (6), (7) (2), (4), (7)
27 MHz band	Note: Filtering refers to the requirement in §95.635(b) R/C: As specified in §95.629(b)	(1), (3), (7), (10), (11), (12) (1), (3), (8), (9) (2), (4), (8), (9) (1), (3), (7)

- (c) For transmitters designed to operate in the LPRS, emissions shall be attenuated in accordance with the following:
- (1) Emissions for LPRS transmitters operating on standard band channels (25 kHz) shall be attenuated below the unmodulated carrier in accordance with the following:
- (i) Emissions 12.5 kHz to 22.5 kHz away from the channel center frequency: at least 30 dB; and
- (ii) Emissions more than 22.5 kHz away from the channel center frequency: at least 43 + 10log(carrier power in watts) dB.
- (2) Emissions for LPRS transmitters operating on extra band channels (50 kHz) shall be attenuated below the unmodulated carrier in accordance with the following:
- (i) Emissions 25 kHz to 35 kHz from the channel center frequency: at least 30 dB; and
- (ii) Emissions more than 35 kHz away from the channel center frequency: at least 43 + 10log(carrier power in watts) dB.

- (3) Emissions for LPRS transmitters operating on narrowband channels (5 kHz) shall be attenuated below the power (P) of the highest emission, measured in peak values, contained within the authorized bandwidth (4 kHz) in accordance with the following:
- (i) On any frequency within the authorized bandwidth: Zero dB;
- (ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 2 kHz up to and including 3.75 kHz: The lesser of 30 + 20(f_d -2) dB, or 55 + 10 log(P), or 65 dB; and
- (iii) On any frequency beyond 3.75 kHz removed from the center of the authorized bandwidth: At least $55 + 10 \log(P)$ dB.
- (4) Emissions from AMTS transmitters using a single 250 kHz channel shall be attenuated below the unmodulated carrier in accordance with the following:
- (i) Emissions from 125 kHz to 135 kHz away from the channel center frequency; at least 30 dB; and